SEQUENCE LISTING

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<110> INCYTE PHARMACEUTICALS, INC.
       TANG, Y. Tom
       YUE, Henry
       HILLMAN, Jennifer L.
       CORLEY, Neil C.
       GUEGLER, Karl J.
       BAUGHN, Mariah R.
       AU-YOUNG, Janice
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Tyr Pro Phe Gln Gly Asp Ser Thr Val Thr Lys Ser Cys Ala Ser
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Val Ser Cys Cys Asn Thr Glu Leu Cys Asn Val Asp Gly Ala Pro
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Ala Ala Val Ile Leu His Val Lys Arg Arg Ile Cys Val Ser
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Pro His Asn His Thr Val Lys Gln Trp Met Lys Val Gln Ala Ala
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Lys Lys Asn Gly Lys Gly Asn Val Cys His Arg Lys Lys His His
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Pro Arg Pro Gln Ser Cys Val Val Asp Gln Thr Gly Ser Ala His
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Cys Val Val Cys Arg Ala Ala Pro Cys Pro Val Pro Ser Ser Pro

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Pro Arg Phe Pro His Thr Tyr Pro Arg Asn Thr Val Leu Val Trp
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Asp Glu Arg Phe Gly Leu Glu Asp Pro Glu Asp Asp Ile Cys Lys
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Tyr Asp Phe Val Glu Val Glu Glu Pro Ser Asp Gly Thr Ile Leu
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Gly Arg Trp Cys Gly Ser Gly Thr Val Pro Gly Lys Gln Ile Ser
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Pro Ser Glu Pro Gly Phe Cys Ile His Tyr Asn Ile Val Met Pro
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Gln Phe Thr Glu Ala Val Ser Pro Ser Val Leu Pro Pro Ser Ala
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Leu Glu Asp Leu Ile Arg Tyr Leu Glu Pro Glu Arg Trp Gln Leu
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Asp Leu Glu Asp Leu Tyr Arg Pro Thr Trp Gln Leu Leu Gly Lys
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Ala Phe Val Phe Gly Arg Lys Ser Arg Val Val Asp Leu Asn Leu

Leu Thr Glu Glu Val Arg Leu Tyr Ser Cys Thr Pro Arg Asn Phe

Ser Val Ser Ile Arg Glu Glu Leu Lys Arg Thr Asp Thr Ile Phe

230

245

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aagagtgaat atgtgtcgca tccagagagc tgatggggat tgtgacttgg ctgctgtcat 240
ccttcatgtc aagcgcagaa gaatctgtgt cagcccgcac aaccatactg ttaagcagtg 300
gatgaaagtg caagctgcca agaaaaatgg taaaggaaat gtttgccaca ggaagaaaca 360
ccatggcaag agggacagta acagggcaca tcaggggaaa cacgaaacat acggccataa 420
aactccttat taggagagtc taccggtaaa tccttccgag accattccct caagtggact 480
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35 40 Ala Trp Thr Tyr Arg Ile Gln Glu Val Ser Gly Ser Cys Asn Leu Pro Ala Ala Ile Phe Tyr Leu Pro Lys Arg His Arg Lys Val Cys Gly Asn Pro Lys Ser Arg Glu Val Gln Arg Ala Met Lys Leu Leu Asp Ala Arg Asn Lys Val Phe Ala Lys Leu His His Asn Met Gln 95 100 Thr Phe Gln Ala Gly Pro His Ala Val Lys Lys Leu Ser Ser Gly 110 115 Asn Ser Lys Leu Ser Ser Ser Lys Phe Ser Asn Pro Ile Ser Ser 125 130 Ser Lys Arg Asn Val Ser Leu Leu Ile Ser Ala Asn Ser Gly Leu 140 145 150

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 Thr Thr Ser Trp Thr Glu Glu Asp Val Asn Asp Asn Thr Leu Phe
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Lys Trp Met Ile Phe Asn Gly Gly Ala Pro Asn Cys Ile Pro Cys
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Lys Glu Thr Cys Glu Asn Val Asp Cys Gly Pro Gly Lys Lys Cys
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Lys Met Asn Lys Lys Asn Lys Pro Arg Cys Val Cys Ala Pro Asp
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Cys Ser Asn Ile Thr Trp Lys Gly Pro Val Cys Gly Leu Asp Gly
Lys Thr Tyr Arg Asn Glu Cys Ala Leu Leu Lys Ala Arg Cys Lys
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Glu Gln Pro Glu Leu Glu Val Gln Tyr Gln Gly Lys Cys Lys
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Thr Cys Arg Asp Val Leu Cys Pro Gly Ser Ser Thr Cys Val Val
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Asp Gln Thr Asn Asn Ala Tyr Cys Val Thr Cys Asn Arg Ile Cys
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Pro Glu Pro Thr Ser Pro Glu Gln Tyr Leu Cys Gly Asn Asp Gly
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Ile Thr Tyr Ala Ser Ala Cys His Leu Arg Lys Ala Thr Cys Leu
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Leu Gly Arg Ser Ile Gly Leu Ala Tyr Glu Gly Lys Cys Ile Lys
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Ala Lys Ser Cys Glu Asp Ile Gln Cys Ser Ala Gly Lys Lys Cys
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Glu Leu Cys Pro Glu Ser Lys Ser Asp Glu Ala Val Cys Ala Ser
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Asp Asn Thr Thr Tyr Pro Ser Glu Cys Ala Met Lys Glu Ala Ala
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Cys Ser Met Gly Val Leu Leu Glu Val Lys His Ser Gly Ser Cys
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Asn Ser Ile Asn Glu Asp Pro Glu Glu Glu Glu Glu Asp Glu Asp
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 Pro Cys Lys Ala Ala Ala Phe Leu Gly Asp Ile Ala Leu Asp Glu
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 Glu Asp Leu Arg Ala Phe Gln Val Gln Ala Val Asp Leu Arg
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Asn Thr Ser Thr Pro Ser Cys Gln Ser Thr Asn Gly Gln Pro Gln
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Arg Gly Ala Cys Gly Arg Trp Arg Gly Arg Ser Arg Ser Arg Arg
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Ala Ala Thr Ser Arg Pro Glu Arg Val Trp Pro Asp Gly Val Ile
Pro Phe Val Ile Gly Gly Asn Phe Thr Gly Ser Gln Arg Ala Val
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Phe Arg Gln Ala Met Arg His Trp Glu Lys His Thr Cys Val Thr
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Phe Leu Glu Arg Thr Asp Glu Asp Ser Tyr Ile Val Phe Thr Tyr
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Arg Pro Cys Gly Cys Cys Ser Tyr Val Gly Arg Arg Gly Gly
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Pro Gln Ala Ile Ser Ile Gly Lys Asn Cys Asp Lys Phe Gly Ile
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Val Val His Glu Leu Gly His Val Val Gly Phe Trp His Glu His
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Thr Arg Pro Asp Arg Asp Arg His Val Ser Ile Val Arg Glu Asn
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Ile Gln Pro Gly Gln Glu Tyr Asn Phe Leu Lys Met Glu Pro Gln
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Glu Val Glu Ser Leu Gly Glu Thr Tyr Asp Phe Asp Ser Ile Met
                                    265
His Tyr Ala Arg Asn Thr Phe Ser Arg Gly Ile Phe Leu Asp Thr
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Ile Val Pro Lys Tyr Glu Val Asn Gly Val Lys Pro Pro Ile Gly
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                                    295
Gln Arg Thr Arg Leu Ser Lys Gly Asp Ile Ala Gln Ala Arg Lys
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Gly Asn Phe Ser Ser Pro Glu Tyr Pro Asn Gly Tyr Ser Ala His
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Val Ser Thr Asp Ser Arg Leu Trp Val Glu Phe Arg Ser Ser Ser
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Tyr Pro Asp Asp Tyr Arg Pro Ser Lys Val Cys Ile Trp Arg Ile
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Glu Ile Glu Arg His Asp Ser Cys Ala Tyr Asp Tyr Leu Glu Val
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Arg Asp Gly His Ser Glu Ser Ser Thr Leu Ile Gly Arg Tyr Cys
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Gly Tyr Glu Lys Pro Asp Asp Ile Lys Ser Thr Ser Ser Arg Leu
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Trp Leu Lys Phe Val Ser Asp Gly Ser Ile Asn Lys Ala Gly Phe
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Ala Val Asn Phe Phe Lys Glu Val Asp Glu Cys Ser Arg Pro Asn
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Arg Gly Gly Cys Glu Gln Arg Cys Leu Asn Thr Leu Gly Ser Tyr
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Lys Cys Ser Cys Asp Pro Gly Tyr Glu Leu Ala Pro Asp Lys Arg
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Arg Cys Glu Ala Ala Cys Gly Phe Leu Thr Lys Leu Asn Gly
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Ser Ile Thr Ser Pro Gly Trp Pro Lys Glu Tyr Pro Pro Asn Lys
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Leu Gln Phe Asp Phe Phe Glu Thr Glu Gly Asn Asp Val Cys Lys
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Tyr Asp Phe Val Glu Val Arg Ser Gly Leu Thr Ala Asp Ser Lys
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Leu His Gly Lys Phe Cys Gly Ser Glu Lys Pro Glu Val Ile Thr
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Ser Gln Tyr Asn Asn Met Arg Val Glu Phe Lys Ser Asp Asn Thr
Val Ser Lys Lys Gly Phe Lys Ala His Phe Phe Ser Glu Lys Arg
                695
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Pro Ala Leu Gln Pro Pro Arg Gly Arg Pro His Gln Leu Lys Phe
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Arg Val Gln Lys Arg Asn Arg Thr Pro Gln
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